

HUMISEAL[®] DIV. OF CHASE CORP. MATERIAL SAFETY DATA SHEET

Product: HUMISEAL 1B31S

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY: HUMISEAL DIVISION OF CHASE CORP.
201 ZETA DRIVE
PITTSBURGH, PA 15238

GENERAL INFORMATION: 866-932-0800

EMERGENCY, CHEMTREC: 800-424-9300 (in USA), 703-527-3887 (outside of the USA), only in the event of chemical emergencies involving a spill, leak, fire, exposure or any accident involving chemicals.

REVISION DATE: 11/20/12

PREPARED BY: B.RADMARD

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>CAS NUMBER</u>	<u>IDENTIFICATION</u>	<u>APP. % BY WGT.</u>
108-88-3	TOLUENE	40-60
78-93-3	METHYL ETHYL KETONE	10-20

3. HAZARDOUS IDENTIFICATION

HAZARDOUS POLYMERIZATION: Will Not Occur

ROUTES OF EXPOSURE: Inhalation, Skin, Eyes and Ingestion.

IMMEDIATE EFFECTS:

INHALATION: Causes irritation of nasal passages and throat. Causes stupor (central nervous system depression).

SKIN CONTACT: Can cause moderate skin injury (reddening and swelling). Repeated or prolonged contact can cause drying of skin and dermatitis.

EYE CONTACT: Liquid and vapors are irritating to eyes. Can cause severe injury.

INGESTION: Can cause mental sluggishness.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Significant exposure to these chemicals may adversely affect people with chronic disease of the respiratory system, skin, central nervous system and/or eyes.

4. FIRST AID MEASURES

GENERAL ADVICE: Consult Physician immediately.

INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult.

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SKIN CONTACT: Flush with water while removing contaminated clothing. Wash skin with soap and water.

EYE CONTACT: Remove contact lenses. Flush eye thoroughly with running water. If irritation persists, see a Physician

INGESTION: Do not induce vomiting. If vomiting occurs spontaneously keep head below hips to prevent aspiration into lungs, which may be fatal. Contact Physician immediately.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Foam, Carbon Dioxide or dry chemical. Use self-contained breathing apparatus if applicable.

6. ACCIDENTAL RELEASE MEASURES

PRECAUTIONS FOR PERSONNEL: Wear protective clothing. Use self-contained breathing apparatus if required.

ENVIRONMENTAL PRECAUTIONS: Avoid discharge to drains, sewers and natural water supply.

PROCESS FOR CLEANING: Absorb with inert material. Remove sources of ignition. Scoop material with non-sparking tools.

7. HANDLING AND STORAGE

HANDLING: Ventilate work area sufficiently. Keep containers closed. Avoid contact with eyes, skin and clothing.

STORAGE: Store between 0 °C and +35 °C for solvent based coatings and thinners. Allow all coatings/thinners to reach process temperature before using (wait 24 hrs. or more to allow temperature equalization if necessary). Ground all metal containers.

8. EXPOSURE RESTRICTIONS AND PERSONAL PROTECTION

MATERIALS WITH LIMITS THAT REQUIRE SUPERVISION:

<u>CAS NUMBER</u>	<u>IDENTIFICATION</u>	<u>APP. % BY WGT.</u>	<u>NIOSH REL</u>	<u>VALUE</u>	<u>UNIT</u>
108-88-3	TOLUENE	40-60	TWA	100/375	ppm/(mg/m ³)
78-93-3	METHYL ETHYL KETONE	10-20	TWA	200/590	

ADDITIONAL ADVICE: Use personal protective equipment, i.e., suitable work clothing, eye goggles and protective gloves. If spraying utilize protective facemask.

9. PHYSICAL PROPERTIES

ODOR: AROMATIC

<u>CHANGE OF STATE</u>	<u>VALUE/AREA</u>	<u>UNIT</u>	<u>METHOD</u>
FREEZING POINT:	N/A	°C	
BOILING POINT:	82	°C	
FLASH POINT:	-1 (30)	°C (°F)	TCC
IGNITION TEMPERATURE:			
SPECIFIC GRAVITY:	0.91	H ₂ O = 1	
% VOLATILE BY VOLUME:	70-75	%	
SOLUBILITY IN WATER:	NEGLIGIBLE		
PH VALUE:			
VISCOSITY:	185-215	CPS	
FLAMMABLE LIMITS:	LEL 1.6 UEL 11.2		
EVAPORATION RATE:	3.62	BUAC = 1	

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Freezing, Sparks and Open Flame.

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MATERIALS TO AVOID: Contact with strong oxidizing, acidic or alkaline agents.
 DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide and Oxides of Nitrogen.
 EYES: Splashes or spray vapors may cause irritation.
 SKIN: Substance may be an irritant for sensitive skin.
 INHALATION: May cause mild nausea/dizziness in some people when used in confined/unventilated areas. Move patient to fresh air. Give nothing by mouth.
 CONSUMPTION: If accidentally swallowed may cause discomfort and requires plenty of water or milk to dilute. Do not induce vomiting. Seek medical assistance.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD: (mg/kg) : LD (50) (RATS) : 5g/kg
 ACUTE DERMAL: 50 (mg/kg) : LD (50) (RABBITS) :>2000mg/kg
 ACUTE INHALATION: 50 (mg/l) :
 OTHER:

12. ECOLOGICAL INFORMATION

VOLATILE ORGANIC COMPOUNDS: 592 Grams Per Liter (g/l). 4.94 Pounds Per Gallon (lb/g).

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal should be made in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

SHIPPING CLASS: UN1263 PAINT FLAMMABLE LIQUID

15. REGULATORY INFORMATION

SARA SECTION 302:
 SARA (311,312) HAZARD CLASS:
 SARA (313) CHEMICALS: TOLUENE, METHYL ETHYL KETONE
 CERCLA: TOLUENE; 1000lbs., MEK;5000lbs.
 CPSC CLASSIFICATION:
 HMIS: FLAMMABILITY: 3 REACTIVITY: 0 HEALTH: 3
 NFPA: FLAMMABILITY: 3 REACTIVITY: 0 HEALTH: 3

CALIFORNIA PROPOSITION 65:

- A. This product contains a chemical known to the State of CA to cause birth defects or other reproductive harm.
 B. This product contains a chemical known to the State of CA to cause cancer.
 C. This product contains a chemical known to the State of CA to cause cancer and birth defects or other reproductive harm.

ECCN: EAR99

16. OTHER INFORMATION

THIS DATA IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND ARE NOT A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED IS MADE. THE STATED RECOMMENDED HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE.

C = Ceiling Limit, NEGL = Negligible, N/A = Not Applicable, N/E = Not Established, PROP. = Proprietary.